

1. (Currently Amended) A metal halide lamp having superior red rendering characteristics, said lamp comprising:

an arc tube formed of a material transmissive to visible radiation; and

a fill of ~~metal halides~~ mercury and Ar or Xe in said vessel, said fill also comprising at least one member selected from the group consisting of CaI_2 , CaBr_2 plus at least one member selected from the group consisting of AlI_3 , AlBr_3 , GaI_3 , GaBr_3 plus at least one member selected from the group consisting of TlI and TlBr ; and

discharge electrodes disposed at opposite ends within said arc tube, ~~and wherein the fill further comprises mercury and either Ar or Xe;~~ and

wherein the CaI_2 or CaBr_2 or both are in a molar quantity between about 10 and 75% of the total molar quantity of the total halides; and

wherein the AlI_3 or AlBr_3 or both are in a molar quantity between about 2 and 50% of the total molar quantity of the total halides; and

wherein the TlI or TlBr or both are in a molar quantity between about 5 and 50% of the total molar quantity of the total halides.

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CLAIM AMENDMENTS

2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Cancelled)
6. (Cancelled)
7. (Cancelled)
8. (Cancelled)
9. (Cancelled)
10. (Cancelled)
11. (Cancelled)
12. (Cancelled)
13. (Cancelled)

Claims 2 through 13 stand cancelled without prejudice.

Independent claim 1 remains in the application as it is currently amended
in this After Final response.